| Form PTO-1449 Modified | Docket No. UPN-3904 | Serial No. 09/648,306 |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **AA** | Adams, "Hypoxia-Mediated Drugs for Radiation and Chemotherapy", *Cancer*, **1981**, *48*, 696-707 |
| ANW | **AB** | Beaman et al., "Studies in the nitromidazole series. III. 2-Nitro-imidazole dderivatives substituted in the 1-position", Chemical Abstract 71(5): 22065t, **1967,** p. 22060 |
| ANW | **AC** | Chapman et al., "The Fraction of Hypoxic Clonogenic Cells in Tumor Populations", *Biol. Bases Clin. Imp. Tum. Rad.*, G.H. Fletcher, C. Nevil, & H.R. Withers, (eds.), **1983,** 61-73 |
| ANW | **AD** | Chapman et al., "Keynote Address: Cellular Reduction of Nitroimidazole Drugs: Potential for Selective Chemotherapy and Diagnosis of Hypoxic Cells", *Int. J. Radiation Oncol. Biol. Phys.*, **1989**, *16*, 911-917 |
| ANW | **AE** | Franko et al., "Oxygen Supply to Spheroids in Spinner and Liquid-Overlay Culture", Recent Results in *Cancer Res.* in 94" Culture of Cellular Spheroids 62, **1984**, *95*, 162-167 |
| ANW | **AF** | Grunberg et al., "Antiprotozoan and antibacterial activity of 2-nitro-imidazole derivatives", Chemical Abstract 70(3):10175v, **1968,** p. 10174 |
| ANW | **AG** | Heindel et al, "Macromolecular Attachment as a Metabolic Stabilizer for a Labile Radiosensitizer", *J. Pharm. Sci.*, **1987,** *76(5),* 384-386 |
| ANW | **AH** | Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity", *Nature*, **1975**, *256*, 495-497 |
| ANW | **AI** | Knauf et al., "Monoclonal antibodies against human ovarian tumor associated antigen NB/70K: Preparation and use in a radioimmunoassay for measuring NB/70K in serum", *Cancer Immunol. Immunother.*, **1986**, *21*, 217-225 |
| ANW | **AJ** | Raleigh et al., "Reductive Fragmentation of 2-Nitroimidazoles: Amines and Aldehydes", *Int. J. Radiation Oncol. Biol. Phys.*, **1984**, *10*, 1337-1340 |
| ANW | **AK** | Raleigh et al., "Fluorescence immunohistochemical detection of hypoxic cells in spheroids and tumours," *Br. J. Cancer,* **1987**, *56*, 395-400 |

| **EXAMINER** Donya Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

Sheet 2 of

| **Form PTO-1449 Modified** | Docket No. **UPN-3904** | Serial No. **09/648,306** |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| DNW | **AL** | Taylor et al., "Differences in the Toxicity and Metabolism of the 2-Nitroimidazole Misonidazole (Ro-07-0582) in HeLa and Chinese Hamster Ovary Cells", *Cancer Res.*, **1978**, *38*, 2745-2752 |
| DNW | **AM** | Urtasun et al., "A novel technique for measuring human tissue $pO_2$ at the cellular level", *Br. J. Cancer*, **1986**, *54*, 453-457 |
| DNW | **AN** | Varghese et al., "Binding to Cellular Macromolecules as a Possible Mechanism for the Cytotoxicity of Misonidazole", *Cancer Res.*, **1980**, *40*, 2165-2169 |
| DNW | **AO** | Lord, et al.,"Detection of Hypoxic Cells by Monoclonal Antibody Recognizing 2-Nitroimidazole Adducts", *Cancer Res.*, **1993**, *53*, 5721-5726 |
| DNW | **AP** | Franko, A.J. et al., "Oxygen dependence of binding of misonidazole to rodent and human tumors in vitro", *Cancer Res.*, **1987**, *47*, 5367-5376 |
| DNW | **AQ** | Harwell et al., *J. Immunol. Methods*, **1984**, *66*, 59-67 |
| DNW | **AR** | Kennedy et al., *Biochem. Pharm.*, **1980**, *29*, 1-8 |
| DNW | **AS** | Koch, C.J., "A thin-film culturing technique allowing rapid gas-liquid equilibration (6 seconds) with no toxicity to mammalian cells", *Radiat. Res.*, **1984**, *97*, 434-442 |
| DNW | **AT** | Koch, C.J. et al., "Metabolism induced binding of 14C-misonidazole to hypoxic cells: kinetic dependence on oxygen concentration an dmisonidazole concentration", *Int. J. Radiation Oncology Biol. Phys.*, **1984**, *10*, 1327-1332 |
| DNW | **AU** | Koch, C.J. et al., "Radiolytic Reduction of Protien and Nonprotien Disulfides in the Presence of Formate: A Chain Reaction", *Arch. Biochem. Biophs.*, **1991**, *287*, 75-84 |
| DNW | **AV** | Moulder, J.E. et al., "Hypoxic fractions of solid tumors: experimental techniques, methods of analysis and a survey of existing data", *Int. J. Radioat. Oncol. Biol. Phys.* **1984**, *10*, 695-712 |
| DNW | **AW** | Parliament et al., "Non-invasive assessment of human tumour hypoxia with $^{123}$I-iodoazomycin arabinoside: preliminary report of a clinical study", *Br. J. Cancer*, **1992**, *65*, 90-95 |

| **EXAMINER** Donna Wright | **DATE CONSIDERED** 4-2-02 |
|---|---|

| **Form PTO-1449 Modified**<br><br>List of Patent and Publications Cited by Applicant (Use several sheets if necessary)<br><br>U.S. Department of Commerce Patent and Trademark Office | Docket No. **UPN-3904** | Serial No. **09/648,306** |
|---|---|---|
| | Applicant **Cameron J. Koch et al.** | |
| | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| DNW | **AX** | Rasey et al., "Characterization of Radiolabeled Fluoromisonidazole as a Probe for Hypoxic Cells", *Radiation Res.*, **1987**, *111*, 292-304 |
| DNW | **AY** | Koch, C.J., "The reductive activation of nitroimidazoles; modification by oxygen and other redox-active molecules in cellular systems", *Selective Activation of Drugs by Redox Processes*, **1990**, *NATO Series A 198*, 237-247 |
| DNW | **AZ** | Arteel, GE et al., "Evidence that hypoxia markers detect oxygen gradients in liver: pimonidazole and retrograde perfusion of rat liver", *British J. Cancer*, **1995**, *72(4)*, 889-895 |
| DNW | **BA** | Raleigh et al., "Importance Of Thiols In The Reductive Binding of 2-Nitroimidazoles to Macromolecules", *Biochem. Pharmacol.*, **1990**, *40*, 2457-2464 |
| ** | ~~**BB**~~ | ~~"Oxygen Concentration Determined Non-Invasively", *Biomed. Products*, **1992**, *17(12)*, 31~~ |
| DNW | **BC** | Tewson, T.J., "Synthesis of [$^{18}$F] Fluoroetanidazole: a potential new tracer for imaging hypoxia", *Nucl. Med. Biol.*, **1997**, *24(8)*, 755-760 |
| DNW | **BD** | Hamacher et al., "Efficient Stereospecific Synthesis of No-Carrier-Added 2-[$^{18}$F]-Fluoro-2-Deoxy-D-Glucose Using Aminopolyether Supported Nucleophilic Substitution", *J. Nucl. Med.*, **1986**, *27(2)*, 235-238 |
| * DNW | **BE** | Adams, G.E., "Selective Activation of Drugs by Redox Processes", *NATO Series A 198*, **1990** |
| DNW | **BF** | Bialik, S. et al., "Myocyte apoptosis during acute myocardial infarction in the mouse localizes to hypoxic regions but occurs independently of p53", *J. Clin. Investig.*, **1997**, *100*, 1363-1372 |
| DNW | **BG** | Brizel, D.M. et al., "Tissue oxygenation predicts for the likelihood of distant metastases in human soft tissue sarcoma", *Cancer Res.*, **1996**, *56*, 941-943 |

**EXAMINER** Donna Wright **DATE CONSIDERED** 3-27-02

* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.

** The reference was lined through because a copy of the document was not provided for the examiner.

| **Form PTO-1449 Modified**<br><br>List of Patent and Publications Cited by Applicant (Use several sheets if necessary)<br><br>U.S. Department of Commerce Patent and Trademark Office | Docket No. **UPN-3904** | Serial No. **09/648,306** |
|---|---|---|
| | Applicant **Cameron J. Koch et al.** | |
| | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **BH** | Brizel, D.M. et al., "Pretreatment oxygenation profiles of human soft tissue sarcomas", *Int. J. Radiat. Oncol. Biol. Phys.*, **1994**, *30*, 635-642 |
| ANW | **BI** | Brizel, D.M. et al., "Tumor hypoxia adversely affects the prognosis of carcinoma of the head and neck", *Int. J. Radiat. Oncol. Biol. Phys.*, **1997**, *38*, 285-289 |
| ANW | **BJ** | Brown, J.M. et al., " SR-2508: a 2-nitroimidazole amide which should be superior to misonidazole as a radiosensitizer for clinical use", *Int. J. Radiat. Oncol. Biol. Phys.*, **1981**, *7*, 695-703 |
| ANW | **BK** | Cater, D.B. et al., "Quantitative measurements of oxygen tensions in normal tissues and in the tumors of patients before and after radiotherapy", *Acta. Radiol.*, **1960**, *23*, 233-256 |
| ANW | **BL** | Chapman, J.D. et al., "Characteristics of the metabolism-induced binding of misonidazole to hypoxic mammalian cells", *Cancer Res.*, **1983**, *45*, 1523-1528 |
| ANW | **BM** | Clyman, R.I. et al., "Permanent anaotomic closure of the newborn ductus arteriosus: the roles of postnatal constriction, hypoxia and gestation", New Eng. J. Med., Submitted, **1997** |
| ANW | **BN** | Cobb, L.M. et al., "Microscopic distribution of misonidazole in mouse tissues", *Br. J. Cancer*, **1989**, *59*, 12-16 |
| ANW | **BO** | Cobb, L.M. et al., "Retention of misonidazole in normal and malignant tissues: interplay of hypoxia and reductases", *Int. J. Rad. Onc. Biol. Phys.*, **1992**, *22*, 655-659 |
| ANW | **BP** | Coleman, C.N. et al., "Relationship between the neurotoxicity of the hypoxic cell radiosensitizer SR 2508 and the pharmacokinetic profile", *Cancer Res.*, **1987**, 47, 319-322 |
| ANW | **BQ** | Coleman, C.N. et al., "Initial pharmacology and toxicology of intravenous desmethylmisonidazole", *Int. J. Radiat. Oncol. Biol. Phys.*, **1982**, 8, 371-375 |

| **EXAMINER** Donna Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

Sheet of

| Form PTO-1449 Modified | Docket No. UPN-3904 | Serial No. 09/648,306 |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **BR** | Evans, S.M. et al., "Use of power Doppler ultrasound guided biopsies to locate regions of tumour hypoxia", Brit. J. Cancer, In Press, **1997** |
| ANW | **BS** | Evans, S.M. et al., "Evaluation of the concept of "hypoxic fraction" as a descriptor of tumor oxygenation status", Adv. Exptl. Biol. Med., In Press, **1995** |
| ANW | **BT** | Evans, S.M. et al., "Tamoxifen induces hypoxia in MCF-7 xenografts", Cancer Res., In Press, **1997** |
| ANW | **BU** | Evans, S.M. et al., "Radiation response and other characteristics of the 9L rat glioma grown as an epigastric tissue isolate", Radiat. Oncol. Invest., **1994**, *2*, 134-143 |
| ANW | **BV** | Evans, S.M. et al., "Imaging hypoxia in diseased tissues", Adv. Exptl. Biol. Med., In Press, **1996** |
| ANW | **BW** | Evans, S.M. et al., "Identification of hypoxia in cells and tissues of epigastric 9L rat glioma using EF5 [2-(2-nitro-1H-imidazol-l-yl)-N-(2,2,3,3,3-pentafluoropropyl)acetamide]", Br. J. Cancer, **1995**, *72*, 875-882 |
| ANW | **BX** | Evans, S.M. et al., "2-nitroimidazole (EF5) binding predicts radiation sensitivity in individual 9L subcutaneous tumors", *Cancer Res.*, **1996**, *56*, 405-411 |
| ANW | **BY** | Franko, A.J. et al., "Binding of misonidazole to V79 spheroids and fragments of Dunning rat prostate and human colon carcinoma in vitro: diffusion of oxygen and reactive metabolites", *Int. J. Radiat. Oncol. Biol. Phys.*, **1984**, *10*, 1333-1337 |
| ANW | **BZ** | Garrecht, B.M. et al., "The labelling of EMT-6 tumors in Balb/c mice with 14C-misonidazole", *Brit. J. Radiol.*, **1983**, *56*, 745-753 |
| ANW | **CA** | Gatenby, R.A. et al., "Oxygen tension in human tumors: in vivo mapping using CT-guided probes", *Radiol.*, **1985**, *156*, 211-214 |
| ANW | **CB** | Gatenby, R.A. et al., "Oxygen distribution in squamous cell carcinoma metastases and its relationship to outcome of therapy", *Int. J. Radiat. Oncol. Biol. Phys.*, **1988**, *14*, 831-838 |

| **EXAMINER** Donya Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

| Form PTO-1449 Modified | Docket No. UPN-3904 | Serial No. 09/648,306 |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **CC** | Graeber, T.G. et al., "Hypoxia-mediated selection of cells with diminished apoptotic potential in solid tumours", Nature, **1996**, 379, *88-91* |
| ANW | **CD** | Hirst, D.G. et al., "Changes in misonidazole binding with hypoxic fraction in mouse tumors", *Int. J. Radiat. Biol. Oncol. Phys.*, **1984**, *11*, 1349-1355 |
| ANW | **CE** | Hockel, M. et al., "Association between tumor hypoxia and malignant progression in advanced cancer of the uterine cervix", *Cancer Res.*, **1996**, *56*, 4509-4515 |
| ANW | **CF** | Hockel, M. et al., "Intratumor pO2 predicts survival in advanced cancer of the uterine cervix", *Radiotherapy and* **Oncology,1993**, *26*, 45-50 |
| ANW | **CG** | Hodgkiss, R.J. et al., "Flow cytometric evaluation of hypoxic cells in solid experimental tumours using fluorescence immunodetection", *Br. J. Cancer*, **1991**, *63*, 119-125 |
| ANW | **CH** | Horsman, M.R. et al., "Relationship between radiobiological hypoxia and direct estimates of tumour oxygenation in a mouse tumour model", *Radiother. Oncol.*, **1993**, *28*, 69-71 |
| ** | ~~**CI**~~ | ~~Horsman, M.R., "Lack of correlation with eppendorf", **1996**~~ |
| ANW | **CJ** | Kennedy, K.A. et al., "Preferential activation of mitomycin C to cytotoxic metabolites by hypoxic tumor cells", *Cancer Res.*, **1980**, *40*, 2356-2360 |
| ANW | **CK** | Koch, C.J. et al., "Cysteine concentrations in rodent tumors: unexpectedly high values may cause therapy resistance", Int. J. Cancer, **1996**, *67*, 661-667 |
| ANW | **CL** | Koch, C.J. et al., "Oxygen dependence of cellular uptake of EF5 [2-(2-nitro-1H-imidazol-l-yl)-N-(2,2,3,3,3-pentafluoroproply)acetamide]: analysis of drug adducts by fluorescent antibodies vs bound radioactivity", *Br. J. Cancer*, **1995**, *72*, 869-874 |

| **EXAMINER** Donya Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

** The reference was lined through because a copy of the document was not provided for the examiner.

| **Form PTO-1449 Modified** | Docket No. **UPN-3904** | Serial No. **09/648,306** |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| DNW | **CM** | Koch, C.J. et al., Imaging hypoxia and blood flow in normal tissues", Adv. Exptl. Biol. Med., In Press, **1996** |
| DNW | **CO** | Koch, C.J. et al., "Detection of hypoxic cells by monoclonal antibody recognizing 2-nitroimidazole adducts." United States Patent, Continuation In Part, Submitted **1996** |
| DNW | **CP** | Koch, C.J. et al.,"Comment on the Hypothesis that Hyperthermia Facilitates Reoxygenation." Int. J. Hyperthermia, **1995**, *11*, 447-450 |
| DNW | **CQ** | Laughlin, K.M. et al., "Biodistribution of the nitroimidazole EF5 [2-(2-nitro-iH-imidazole-lyl)-N-(2,2,3,3,3,-pentafluoropropyl)-acetamide] in mice bearing subcutaneous EMT6 tumors", *J. Pharmacol. Exptl. Therapeut.*, **1996**, *277*, 1049-1057 |
| DNW | **CR** | Lee, J. et al., "Direct relationship between radiobiological hypoxia in tumors and monoclonal antibody detection of EF5 cellular adducts", *Int. J. Cancer*, **1996**, *67*, 372-378 |
| DNW | **CS** | Matthews, J. et al., "Immunocytochemical labelling of aerobic and hypoxic mammalian cells using a platinated derivative of EF5", Brit. J. Cancer, **1996**, *73*, S200-S203 |
| DNW | **CT** | Nordsmark, M. et al., "Pretreatment oxygenation predicts radiation response in advanced squamous cell carcinoma of the head and neck", *Radioth. and Oncol.*, **1996**, *41*, 31-39 |
| DNW | **CU** | Nozue, M. et al., "Interlaboratory variation in oxygen tension measurement by Eppendorf "Histograph" and comparison with hypoxic marker", J. Surg. Oncol., **1997**, *66*, 30-38 |
| DNW | **CV** | Okunieff, P. et al., "Oxygen tension distributions are sufficient to explain the local response of human breast tumors treated with radiation alone", *Int. J. Radiat. Biol. Oncol. Phys.* **1993**, *26*, 631-636 |
| DNW | **CW** | Olive, P.L. et al., "Hypoxic fractions measured in murine tumors and normal tissues using the comet assay", *Int. J. Radiat. Oncol. Biol. Phys.*, **1994**, *29*, 487-491 |

| **EXAMINER** Sonya Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

| **Form PTO-1449 Modified**<br><br>List of Patent and Publications Cited by Applicant (Use several sheets if necessary)<br><br>U.S. Department of Commerce Patent and Trademark Office | Docket No.<br>**UPN-3904** | Serial No.<br>**09/648,306** |
|---|---|---|
| | Applicant<br>**Cameron J. Koch et al.** | |
| | Filing Date<br>**August 25, 2000** | Group<br>**1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **CX** | Rampling, R. et al., "Direct measurement of pO2 distribution and bioreductive enzymes in human malignant brain tumors", *Int. J. Rad. Onc. Biol. Phys.*, **1994**, *29*, 427-431 |
| ANW | **CY** | Rasey, J.S. et al., "Characteristics of the binding of labeled fluoromisonidazole in cells in vitro", *Radiat. Res.*, **1990**, *122*, 301-308 |
| ANW | **CZ** | Schwentker, A. et al., "A model of wound healing in chronically radiation-damaged rat skin: the effect of hyperbaric oxygen", Int. J. Radiat. Oncol. Biol. Phys., Submitted, **1997** |
| ANW | **DA** | Shapiro, I.M. et al., "Chondrocytes in the endochondral growth cartilage are not hypoxic", *Am. J. Physiol.*, **1997**, *272*, cll34-cll43 |
| ANW | **DB** | Shibamoto, Y. et al., "A phase I study of a hypoxic cell sensitizer KU-2285 in combination with conventional radiotherapy", *Radither. & Oncol.* **1996**, *40*, 55-58 |
| ANW | **DC** | Siim, B.G. et al., "Tirapazamine-induced cytotoxicity and DNA damage in trasplanted tumors: relationship to tumor hypoxia", *Cancer Res.*, **1997**, *57*, 2922-2928 |
| ANW | **DD** | Stone, H.B. et al., "Oxygen in human tumors: Correlations between Methods of Measurement and Response to Therapy", *Radiat. Res.*, **1993**, *136*, 422-434 |
| ANW | **DE** | Thomlinson, R.H. et al., "The histological structure of some human lung cancers and the possible implications for radiotherapy", *Br. J. Cancer*, **1955**, *9*, 539-579 |
| ANW | **DF** | Van Os-Corby, D.J. et al., "Is misonidazole binding to mouse tissues a measure of cellular pO2?", *Biochem. Pharmacol.*, **1987a**, *36*, 3487-3494 |
| ANW | **DG** | Varghese, A.J. et al., "Hypoxia-dependent reduction of 1-(2-nitro-1-imidazolyl)-3-methoxy-2-propanol by Chinese hamster ovary cells and KHT tumor cells in vitro and in vivo", *Cancer Res.*, **1976**, *36*, 3761-3765 |

| **EXAMINER** Donna Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

| Form PTO-1449 Modified | Docket No. UPN-3904 | Serial No. 09/648,306 |
|---|---|---|
| List of Patent and Publications Cited by Applicant (Use several sheets if necessary) | Applicant **Cameron J. Koch et al.** | |
| U.S. Department of Commerce Patent and Trademark Office | Filing Date **August 25, 2000** | Group **1626** |

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

| | | |
|---|---|---|
| ANW | **DH** | Waleh, N.S. et al., "Mapping of the vascular endothelial growth factor-producing hypoxic cells in multicellular tumor spheroids using a hypoxia-specific marker", Cancer Res., **1995**, *55*, 6222-6226 |
| ANW | **DI** | Wendling, P. et al., "Heterogeneous oxygenation of rectal carcinomas in humans. A critical parameter for pre-operative irradiation", *Adv. Exp. Med. Biol.*, **1984**, *180*, 293-300 |
| ANW | **DJ** | Woods, M.R. et al., "Detection of individual hypoxic cells in multicellular spheroids by flow cytometery using the 2-nitroimidazole EF5, and monoclonal antibodies", *Int. J. Radiat. Oncol. Biol. Phys.*, **1996**, *34*, 93-101 |
| ANW | **DK** | Wouters, B.G. et al., "Cells at intermediate oxygen levels can be more important than the "hypoxic fraction" in determining tumor response to fractionated radiation therapy", *Radiat. Res.*, **1997**, *147*, 541-550 |
| ANW | **DL** | Zeman, E.M. et al., "The relationship between proliferative and oxygenation status in spontaneous canine tumors", *Int. J. Rad. Oncol. Biol. Phys.*, **1993**, *27*, 891-898 |
| | | |
| | | |
| | | |
| | | |
| | | |

| **EXAMINER** Donya Wright | **DATE CONSIDERED** 3-27-02 |
|---|---|

**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

| Docket No. | Serial No. |
|---|---|
| **UPN-3904** | **09/648,306** |
| Applicant **Cameron J. Koch et al.** | |
| Filing Date **August 25, 2000** | Group **1626** |

**U. S. PATENT DOCUMENTS**

| Examiner Initial | | Document No. | Date | Name | Class | Subclass |
|---|---|---|---|---|---|---|
| ANW | **DM** | 3,679,698 | 07/25/72 | Beaman et al. | 548 | 327.5 |
| ANW | **DN** | 4,241,060 | 12/23/80 | Smithen | 374 | 212 |
| ANW | **DO** | 4,816,401 | 03/28/89 | Taupier et al. | 435 | 240.31 |
| ANW | **DP** | 4,977,273 | 12/1990 | Kagiya et al. | 548 | 339 |
| ANW | **DQ** | 5,086,068 | 02/1992 | Raleigh et al. | 514 | 398 |
| ANW | **DR** | 5,030,036 | 07/09/91 | Huff et al. | 405 | 266 |
| ANW | **DS** | 4,371,540 | 02/01/83 | Lee et al. | 424 | 273 R |
| ANW | **DT** | 4,797,397 | 01/10/89 | Suto et al. | 514 | 212 |
| ANW | **DU** | 4,927,941 | 05/22/90 | Kagiya et al. | 548 | 264.8 |
| ANW | **DV** | 4,977,273 | 12/90 | Kagiya et al. | 548 | 339 |
| ANW | **DW** | 5,086,068 | 02/92 | Raleigh et al. | 514 | 398 |
| ANW | **DX** | 5,304,654 | 04/19/94 | Kagiya et al. | 548 | 327.5 |
| ANW | **DY** | 5,540,908 | 07/30/96 | Koch, et al. | 424 | 934 |
| ANW | **DZ** | 5,843,404 | 12/01/98 | Koch, et al. | 424 | 934 |
| ANW | **EA** | 3,505,349 | 04/07/70 | Beaman, et al. | 260 | 309 |
| ANW | **EB** | 5,721,265 | 02/24/98 | Tracy, et al. | 514 | 396 |
| | | | | | | |

**EXAMINER** Donya Wright **DATE CONSIDERED** 3-27-02